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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/533,329

05/02/2005

Martin P McCormick

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25279

7590

11/06/2008

GRACO MINNESOTA INC
PO BOX 1441
MINNEAPOLIS, MN 55440

EXAMINER

BAYOU, AMENE SETEGNE

ART UNIT

PAPER NUMBER

3746

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/533,329	Applicant(s) MCCORMICK ET AL.	
	Examiner AMENE S. BAYOU	Art Unit 3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05/02/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 1 and 2 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Both claims as amended recite "said pumps simultaneously pumping said materials directly to an applicator". The disclosure on page 3, lines 13-15 clearly indicates that the outs of the pumps are fed to heaters not directly to applicator. Thus the word "directly" introduces new matter and will not be treated on the merits.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1 and 2 are rejected under 35 U.S.C 103(a) as being unpatentable over Hayes (US patent number 4547128) in view of Flemming et al (US patent number 4878601) further in view of Loeser (US patent number 3097764) and Chine et al (US patent number 6161723).

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5. In re claim 1, Hayes '128 discloses a proportional mixing means including:

A proportioner (11) in figure 1, for dispensing plural component materials, proportioner (11) comprising: A variable speed electric motor (41) having a shaft (43 and 45) and first and second ends ; shaft (43 and 45)extending from each of ends ;a first pump (21) attached to first motor end (using shaft 43), pump being connected to a source of a first material (13) and having an output (39) which has a first pressure; a second pump (23) attached to second motor end (using shaft 45) , pump being connected to a source of a second material (15) and having an output (49) which has a second pressure, first and second pumps (21 and 23) being the only pumps between material sources and outputs. But Hayes '128 fails to disclose the following limitation of claim 1 which is taught by Flemming et al '601:

Reciprocating piston pump (90), in figure 5.

However Hayes '128 in view of Flemming et al '601 fails to disclose the following limitation of claim 1 which is taught by, Loeser '764:

Pumps (5-8) simultaneously pumping materials to an applicator in figure 1 and column 2, lines 1-4 and 71-72.

However Hayes '128 in view of Flemming et al '601 further in view of Loeser '764 fails to disclose the following limitation which is taught by Chine et al '723:

- A controller (14) with provision for a user-selectable (using item 20) pressure set point (column 17, lines 30-34), controller (14) continually comparing first and second pressures and regulating the higher of pressures to set point (step 514 of figure 28) ,in figures 1, 28 and column 17, lines 31-33.

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6. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the proportional mixing means of Hayes '128 by including a reciprocating pump simultaneously pumping materials as taught by Flemming et al '601 for low cost operation (by the design choice of piston pump). And It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the modified proportional mixing means of Hayes '128 and Flemming et al '601 by pumping materials simultaneously as taught by Chine et al '723 in order to efficiently control the fluid mixing operation and increase the efficiency (because of reduced pumping time). Please note that Chine et al '723 teaches a user selectable

7. In re claim 2, Hayes '128 modified by Flemming et al '601 and Loeser '764 further modified by Chine et al '723 discussed disclose the claimed invention:

Hayes '128 discloses:

- A proportioner (11) in figure 1, for dispensing plural component materials, proportioner (11) comprising: A variable speed electric motor (41) having a shaft (43 and 45) and first and second ends; shaft (43 and 45) extending from each of ends; a first pump (21) attached to first motor end (using shaft 43), pump being connected to a source of a first material (13) and having an output (39) which has a first positive pressure; a second pump (23) attached to second motor end (using shaft 45), pump being connected to a source of a second material (15) and having an output (49) which has a second positive pressure.

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Flemming et al '601 disclose:

- Reciprocating piston pump (90), in figure 5.

Loeser '764 discloses:

- Pumps (5-8) simultaneously pumping materials to an applicator in figure 1 and column 2, lines 1-4 and 71-72.

Chine et al '723 disclose:

- A controller (14) with provision for a user-selectable (using item 20) pressure set point (column 17, lines 30-34), controller (14) continually comparing first and second pressures and providing an alarm in the event one of pressures falls to a predetermined percentage of set point, in figures 1, 28 and column 17, lines 31-33 and column 18 lines 5-7.

Response to Arguments

8. Applicant's arguments with respect to claims 1 and 2 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Amene S. Bayou whose telephone number is 571-270-3214. The examiner can normally be reached on Monday-Thursday, 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on 571-272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Devon C Kramer/
Supervisory Patent Examiner, Art
Unit 3746